

Performance Analysis of Hospitals Affiliated to Mashhad University of Medical Sciences Using the Pabon Lasso Model: A Six-Year-Trend Study

Rohollah Kalhor,¹ Fatemeh Darzi Ramandi,² Sima Rafiei,³ Seyed Saeed Tabatabaee,⁴ Mohammad Azmal,⁵ and Leila Kalhor^{6,*}

¹Social Determinants of Health Research Center, Qazvin University of Medical Sciences, Qazvin, IR Iran

²School of Public Health, Qazvin University of Medical Sciences, Qazvin, IR Iran

³Health Services Management Department, School of Public Health, Qazvin University of Medical Sciences, Qazvin, IR Iran

⁴Health Services Management Research Center, Institute for Futures Studies in Health, Kerman University of Medical Sciences, Kerman, IR Iran

⁵Chancellor of Treatment Affairs, Bushehr University of Medical Sciences, Bushehr, IR Iran

⁶Students Research Committee, Hormozgan University of Medical Sciences, Bandar Abbas, IR Iran

*Corresponding author: Leila Kalhor, Students Research Committee, Hormozgan University of Medical Sciences, Bandar Abbas, Iran. Tel: +98.763337192, Fax: +98.763337192, E-mail: r.kalhor@gmail.com

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Abstract

Background: Nowadays, productivity and efficiency are considered a culture and a perspective in both life and work environments. This is the starting point of human development.

Objectives: The aim of the present study was to investigate the performance of hospitals affiliated to Mashhad University of Medical Sciences using the Pabon Lasso Model.

Methods: The present study was a descriptive-analytic research, with a cross-sectional design, conducted during six years (2009 - 2014), at selected hospitals. The studied hospitals of this study were 21 public hospitals affiliated to Mashhad University of Medical Sciences. The data was obtained from the treatment Deputy of Khorasan Razavi province.

Results: Results from the present study showed that only 19% of the studied hospitals were located in zone 3 of the diagram, indicating a perfect performance. Twenty-eight percent were in zone 1, 19% in zone 2, and 28% in zone 4.

Conclusions: According to the findings, only a few hospitals are at the desirable zone (zone 3); the rest of the hospitals fell in other zones, which could be a result of poor performance and poor management of hospital resources. Most of the hospitals were in zones 1 and 4, whose characteristics are low bed turnover and longer stay, indicating higher bed supply than demand for healthcare services or longer hospitalization, less outpatient equipment use, and higher costs.

Keywords: Hospitals' Performance Evaluation, Pabon Lasso Model, Efficiency, Key Performance Indicators, Mashhad University of Medical Sciences, Iran